

**EXTERNAL COUNTERPULSATION DEVICE USING  
ELECTROACTIVE POLYMER ACTUATORS**

ABSTRACT OF THE DISCLOSURE

5           The present invention provides an exterior  
counterpulsation (ECP) system that includes a garment  
for being worn on the exterior of a patient's body.  
The garment includes electroactive polymer (EAP)  
actuators connected thereto. In one embodiment, the  
10 EAP actuators are woven into the garment. In another  
embodiment, they are mounted to the garment surface.